

APPENDIX	0.5 FIG.
CLASS	SUBCLASS
DRAFTS	

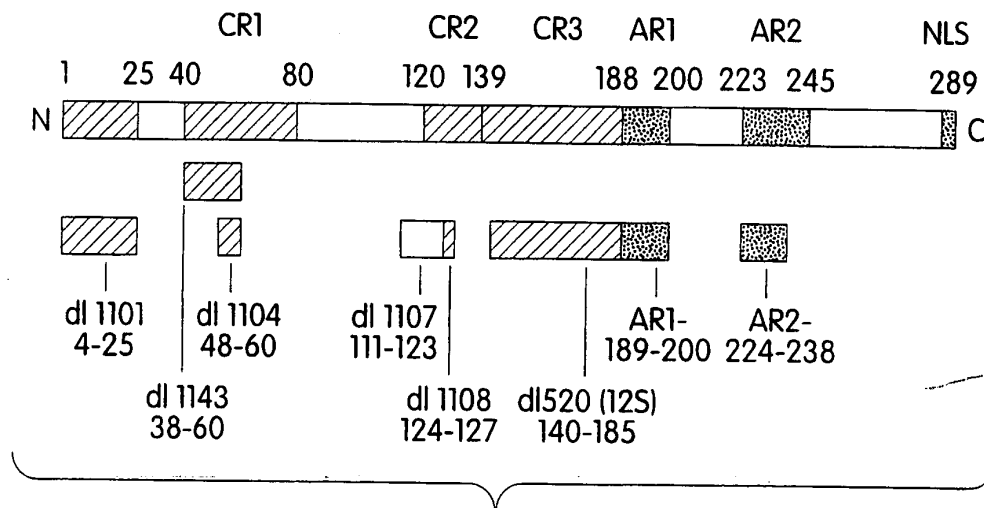


Fig. 1A

APPROVED	FIG.	SUBCLASS
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FIG. 1B

VIRUS MUTANT	DESCRIPTION
wt Ad5	wt E1A (12S & 13S mRNAs), wt E1B. In some cases <i>dl</i> 309 which has a partial deletion of E3 was used
12S / E1B-	12S E1A mRNA only, no E1B expression
13S / E1B-	13S E1A mRNA only, no E1B expression
E1B / 55K-	wtE1A (12S & 13S mRNAs), no E1B 55K expression, wt E1B 19K
E1B / 19K-	wtE1A (12S & 13S mRNAs), no E1B 19K expression, wt E1B 55K
<i>dl</i> 1101 / E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
<i>dl</i> 1104 / E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
<i>dl</i> 1107 / E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
<i>dl</i> 1108 / E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
<i>dl</i> 1143 / 08/ E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
AR1- / E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
AR2- / E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
AR1- / AR2- / E1B-	12S/13S E1A mRNAs, E1A mutation as in Fig. 1A, no E1B expression
AD147VL / E1B-	13S E1A only, E1A point mutation in CR3, no E1B expression
AD171CS / E1B-	13S E1A only, E1A point mutation in CR3, no E1B expression
AD185SG / E1B-	13S E1A only, E1A point mutation in CR3, no E1B expression
<i>dl</i> 1019	wt E1A, E1B, E2 and E3, no E4 expression, in Ad2
AdLacZ	no E1A or E1B expression, wt E2, E3 and E4
Ad5 <i>dl</i> 70-8	no E1A, E1B or E3 expression, wt E2 and E4
AdRSV β -gal.11	no E1A, E1B or E4 expression, wt E2 and E3

Fig. 1B

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APPROV.	FIG.
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FIG. 2

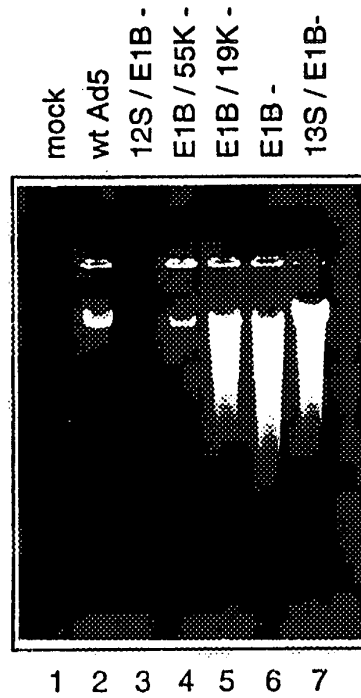


Fig. 2

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Saos-2 / Neo (2a2) cells

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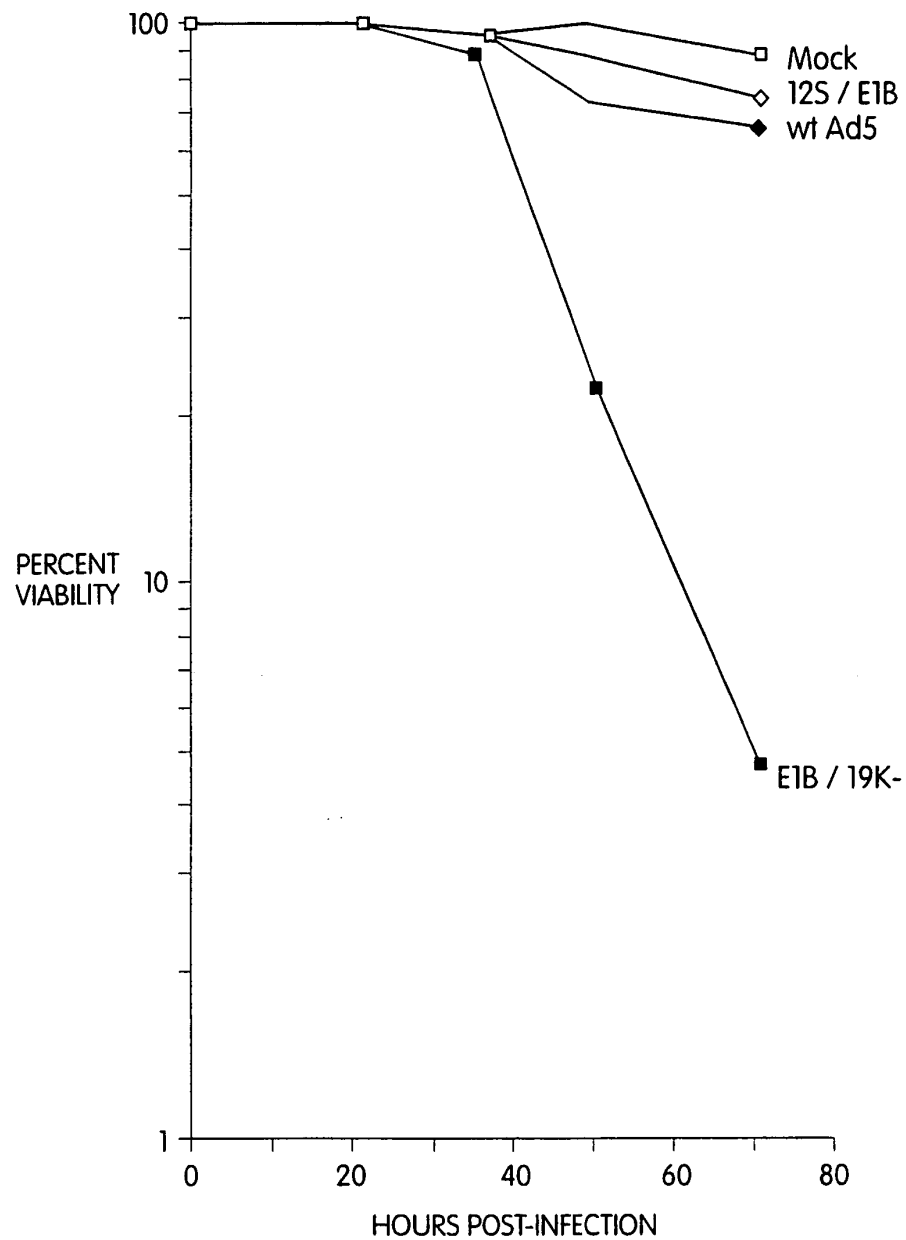


Fig. 3A

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APPROVED	FIG.
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Saos-2 / Bcl-2 (3g4) cells

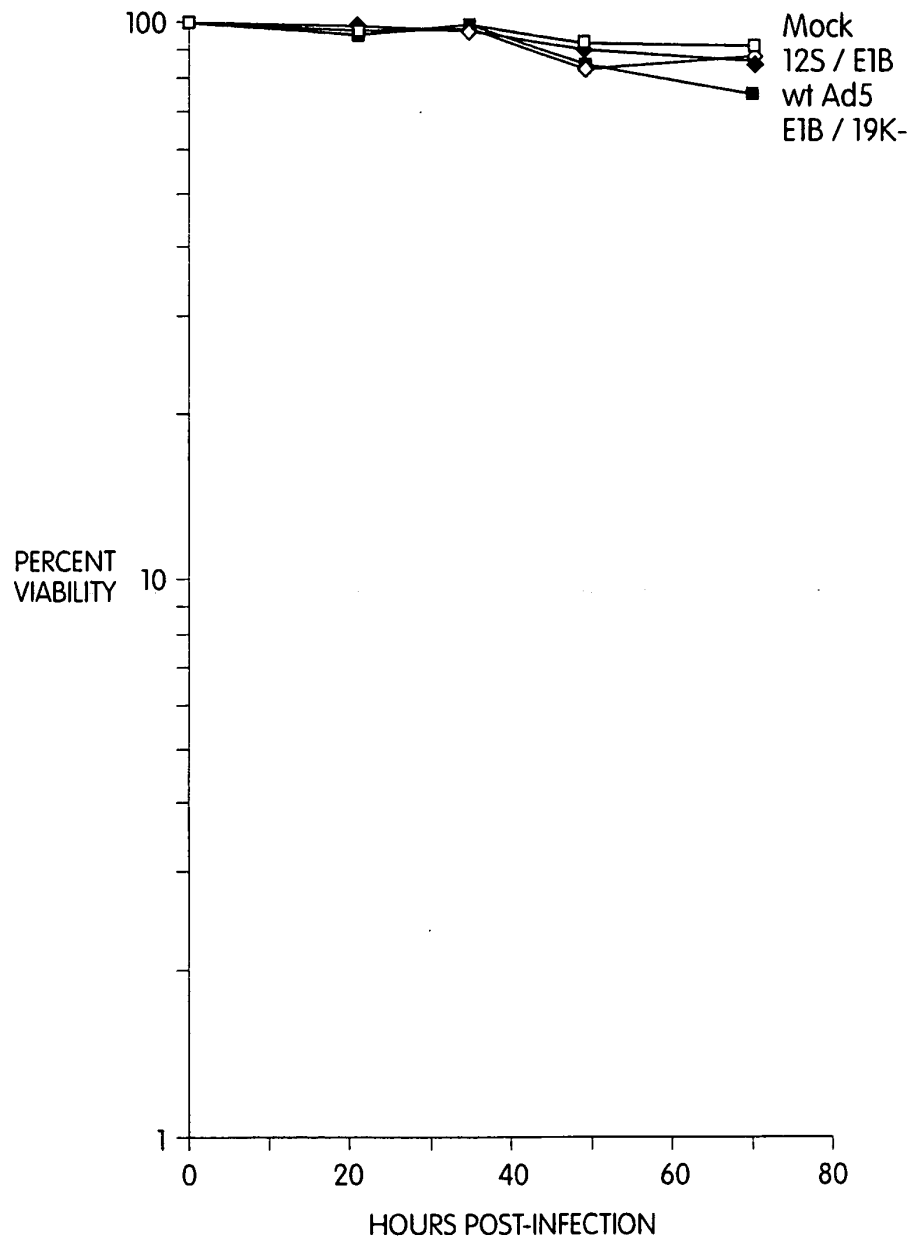


Fig. 3B

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APPROVED BY DRAFTSMAN
FIG. 5
CLASS SUBCLASS

FIG. 5

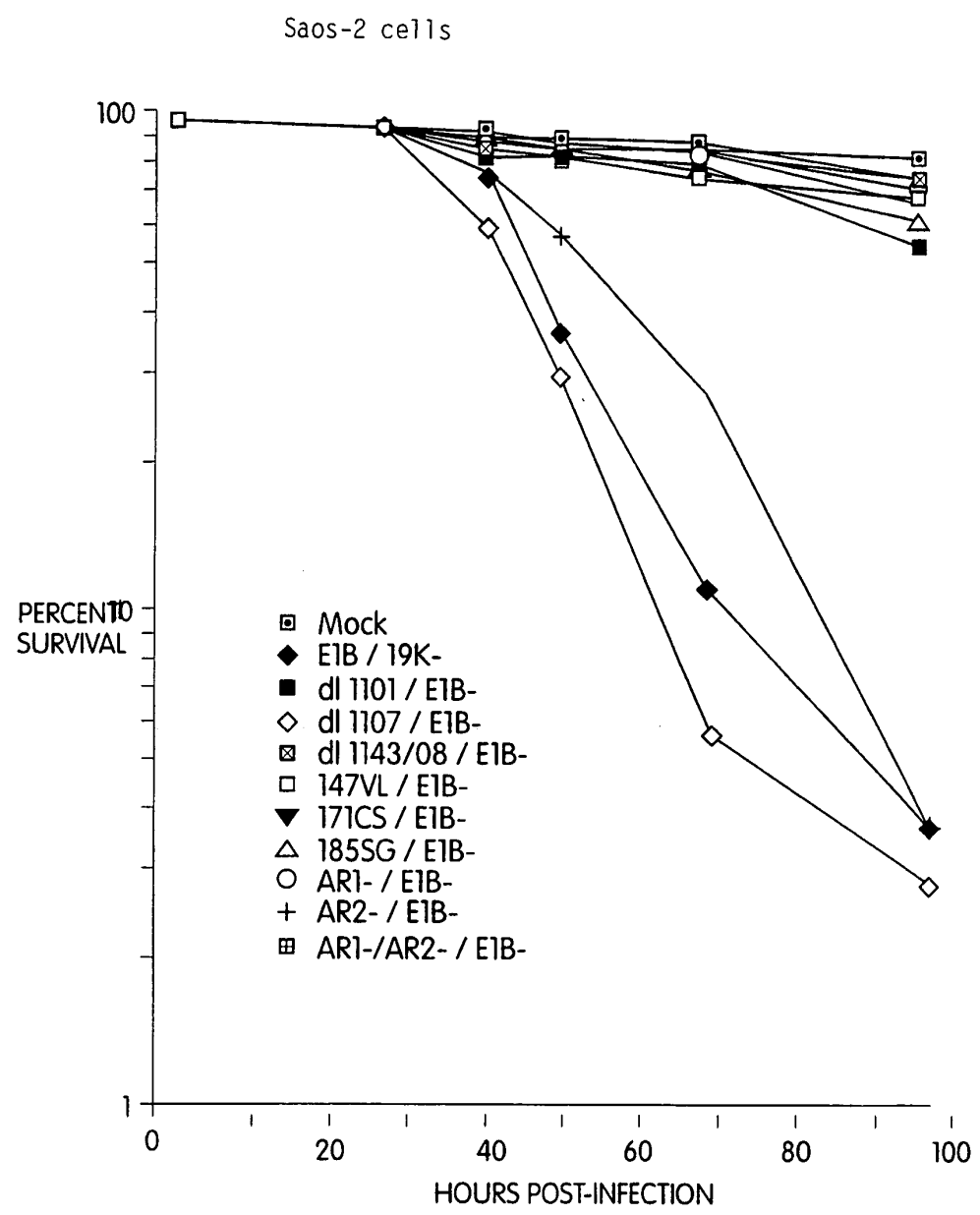


Fig. 5

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APPROVED	FIG.
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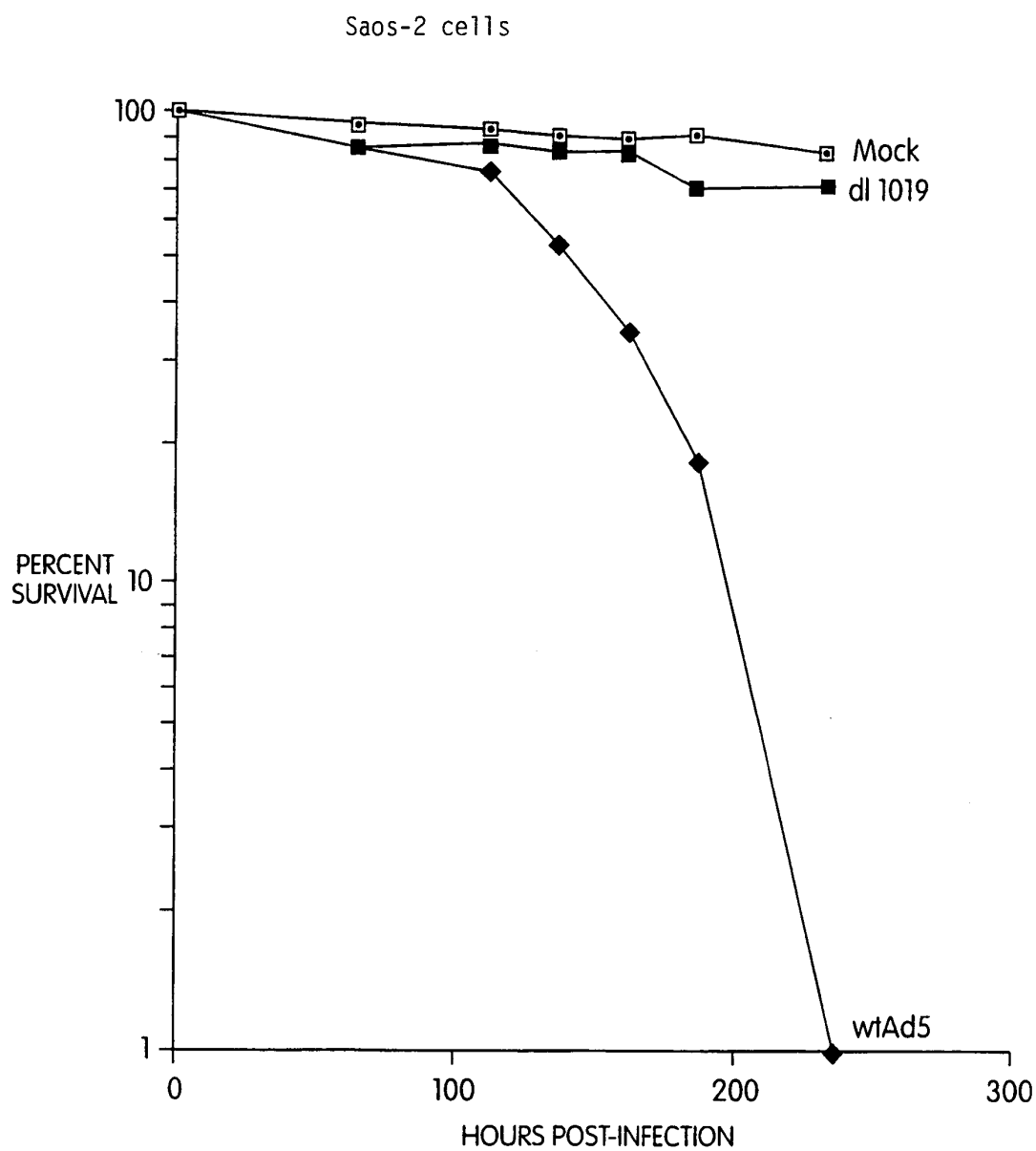


Fig. 7

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APPROVED	U.S. FIG.
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FIG. 8

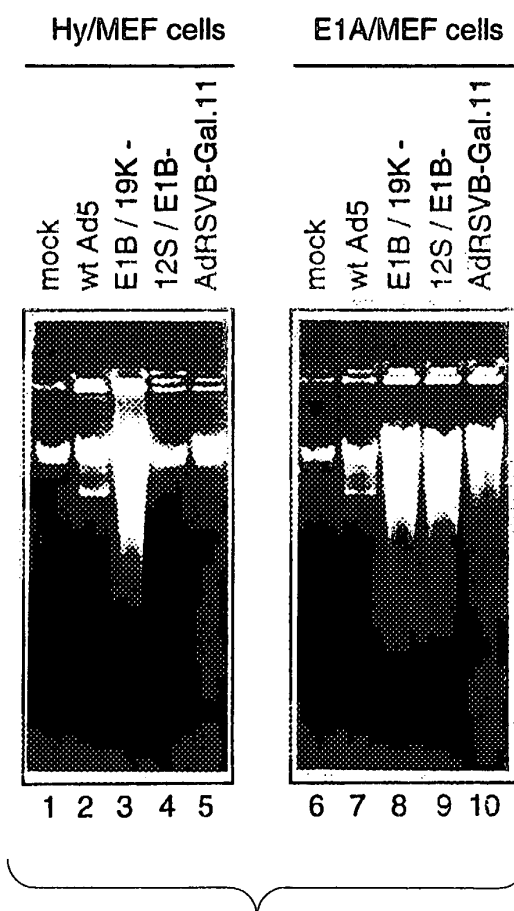


Fig. 8

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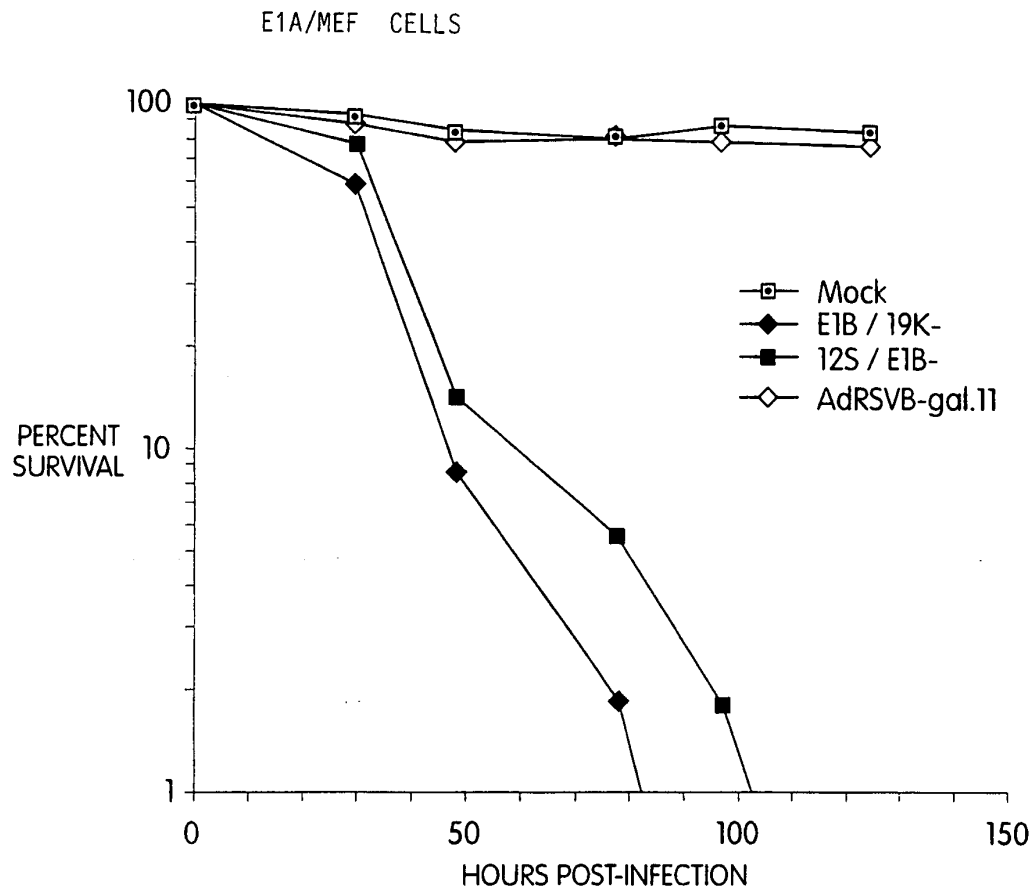
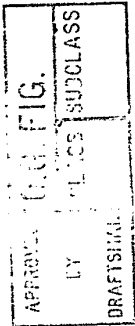


Fig. 9A

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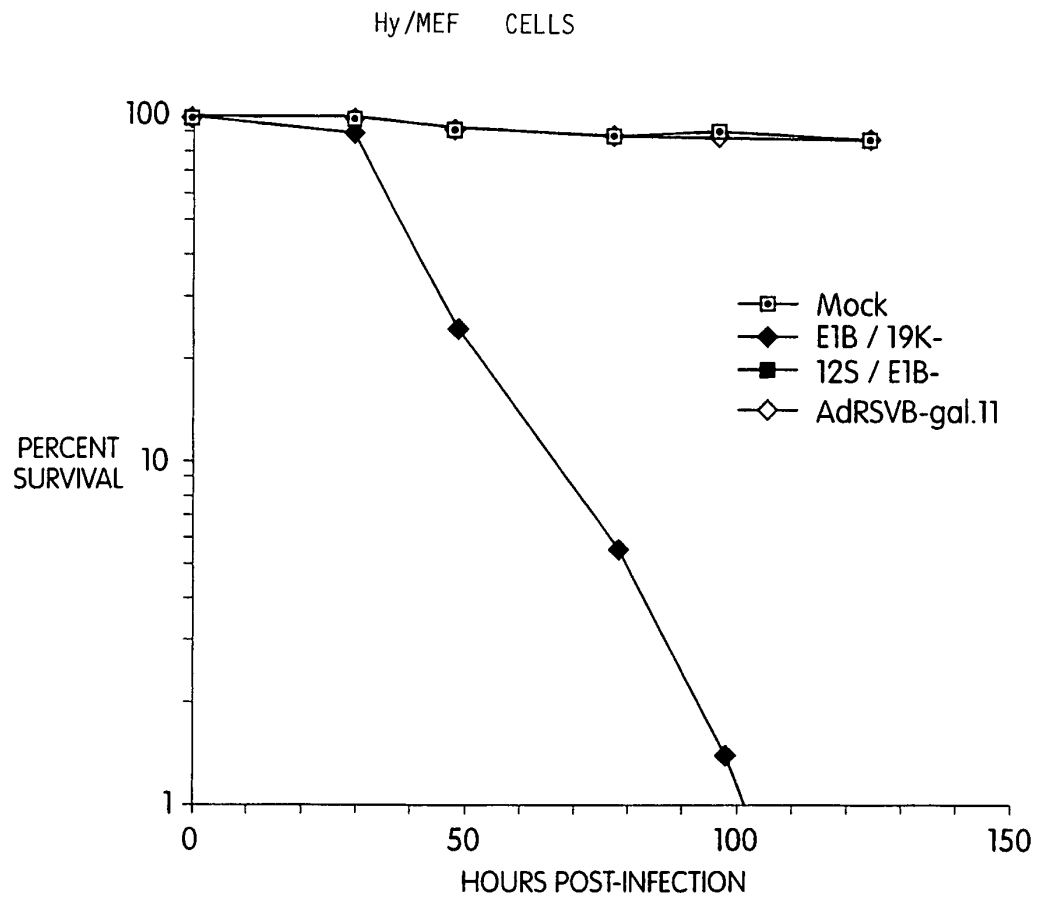
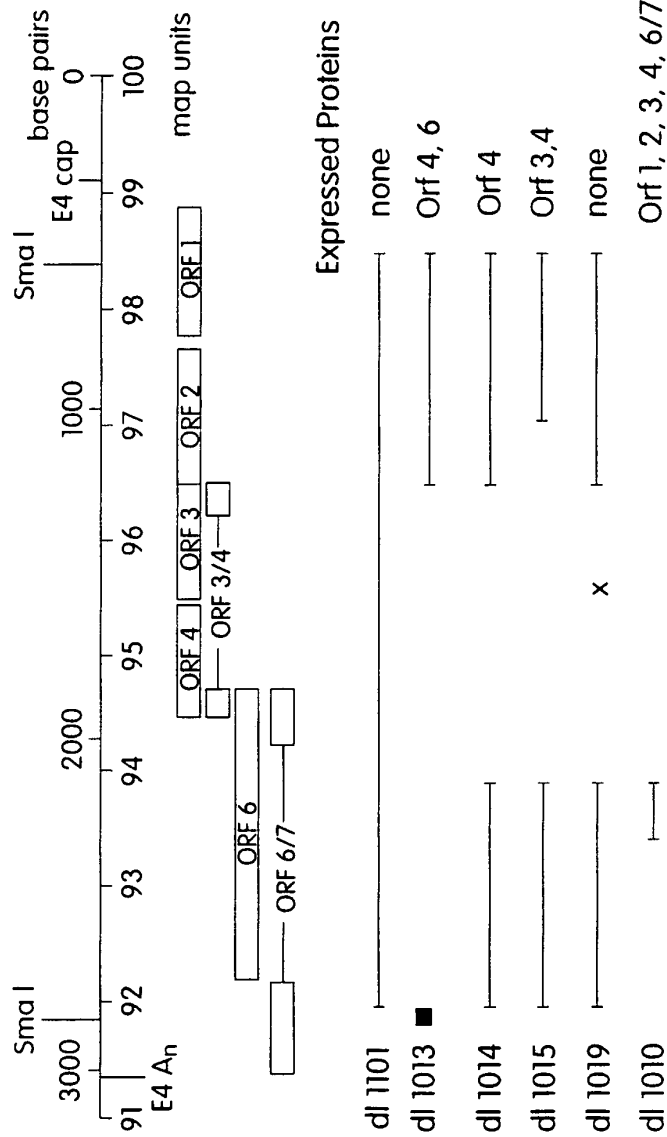


Fig. 9B

APPROVED	FIG.
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SEQUENCE INFORMATION



— deletion
■ oligo insertion
x point mutation

Fig. 10

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Survival Assay in Saos-2 cells

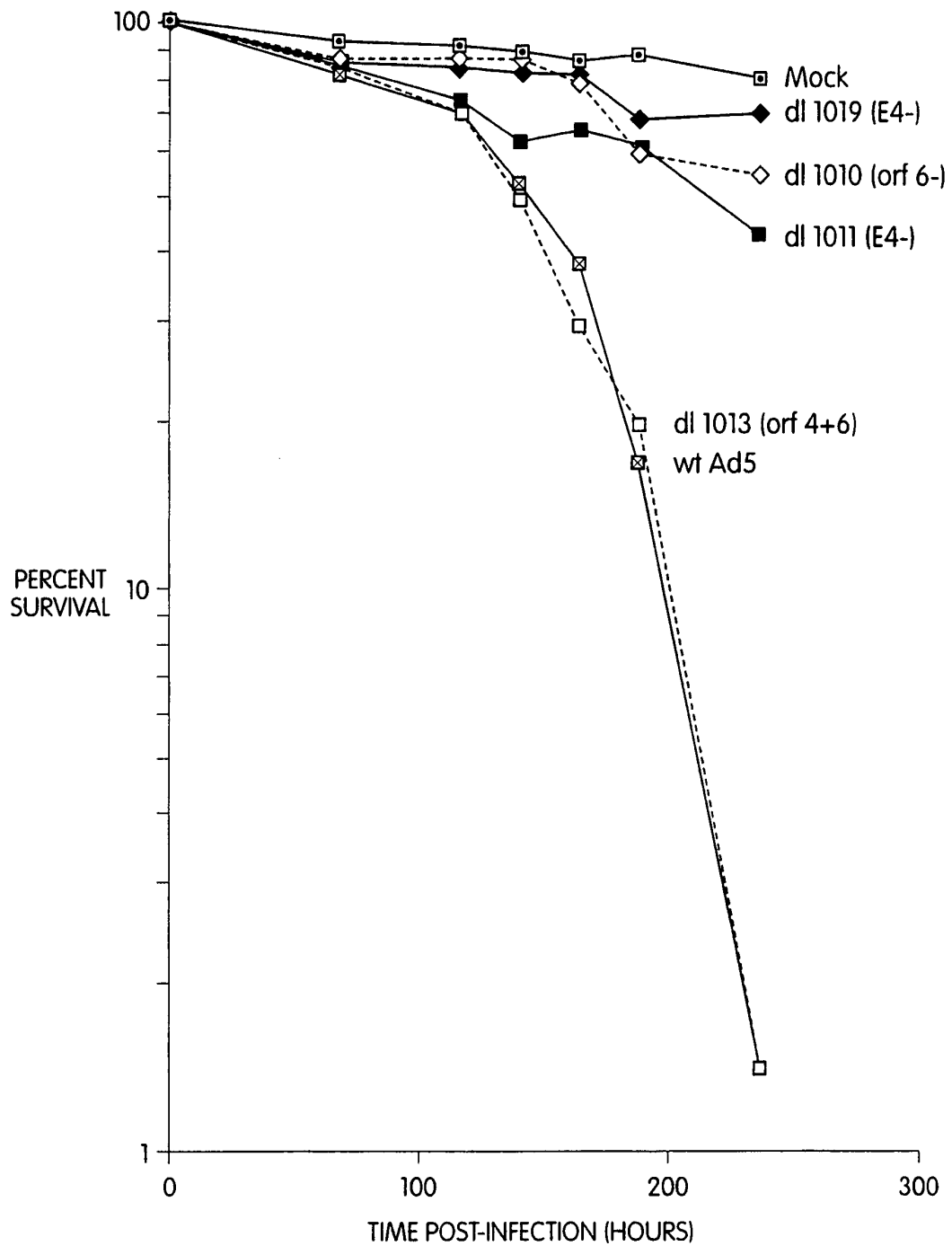


Fig. 11

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APPROVED	FIG. 12	SUBCLASS
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Saos-2 Cells

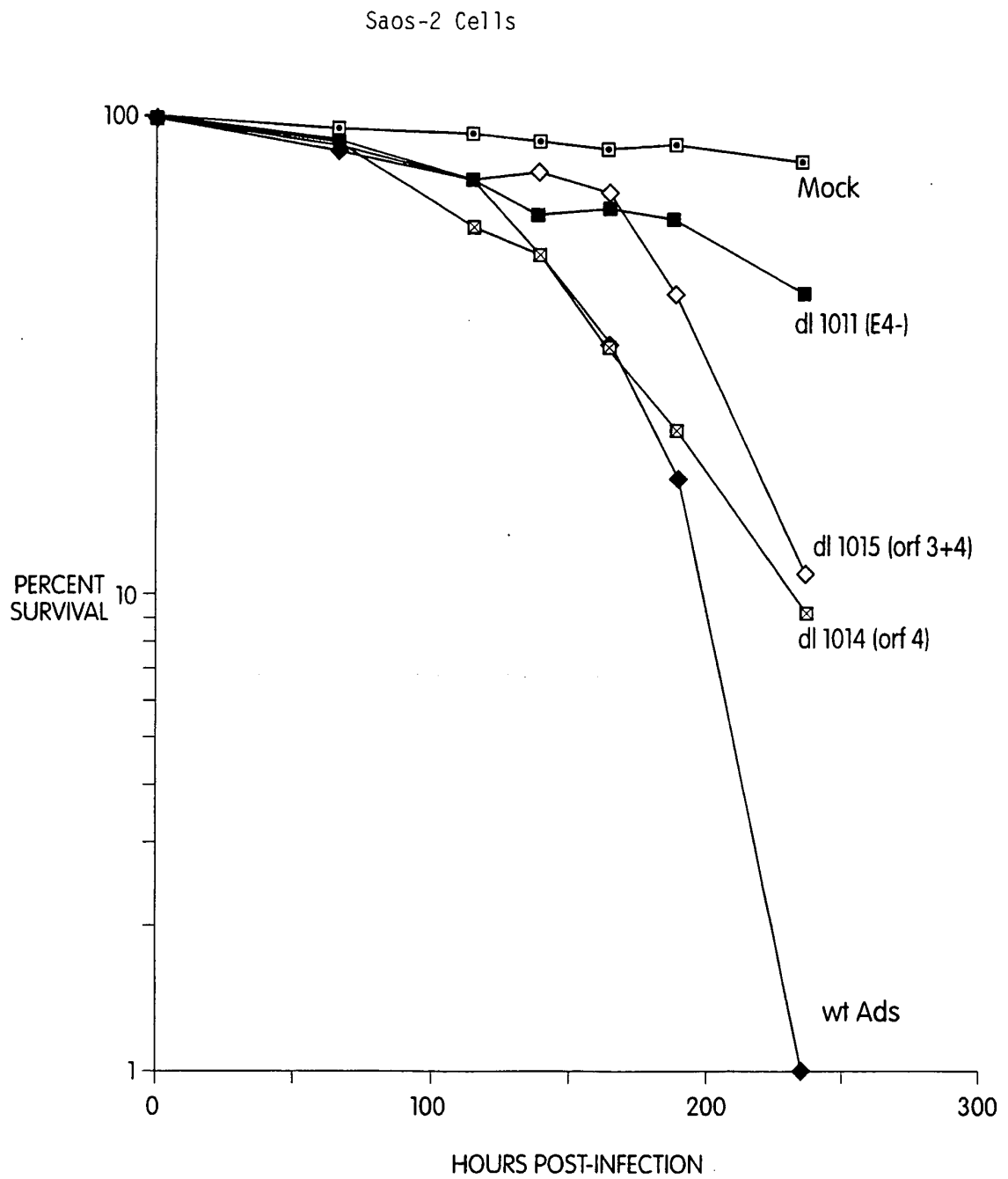


Fig. 12

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APPROVAL	FIG.
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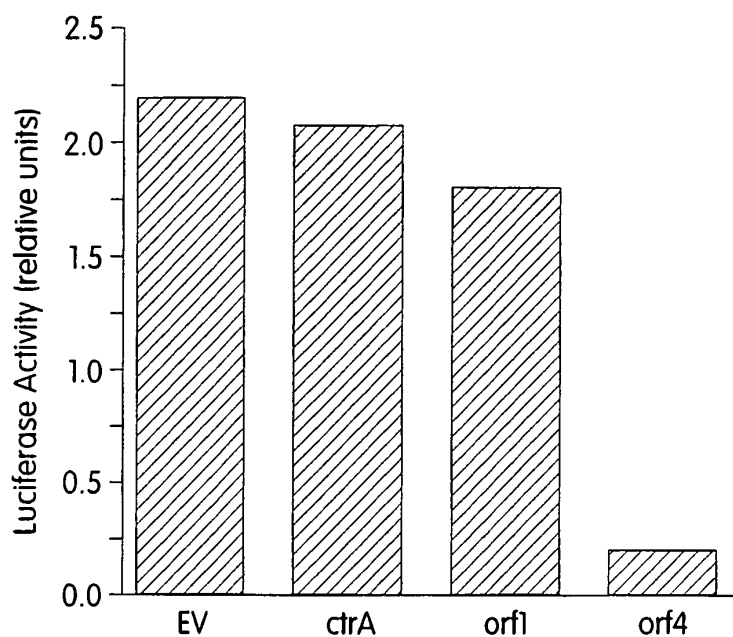


Fig. 13A

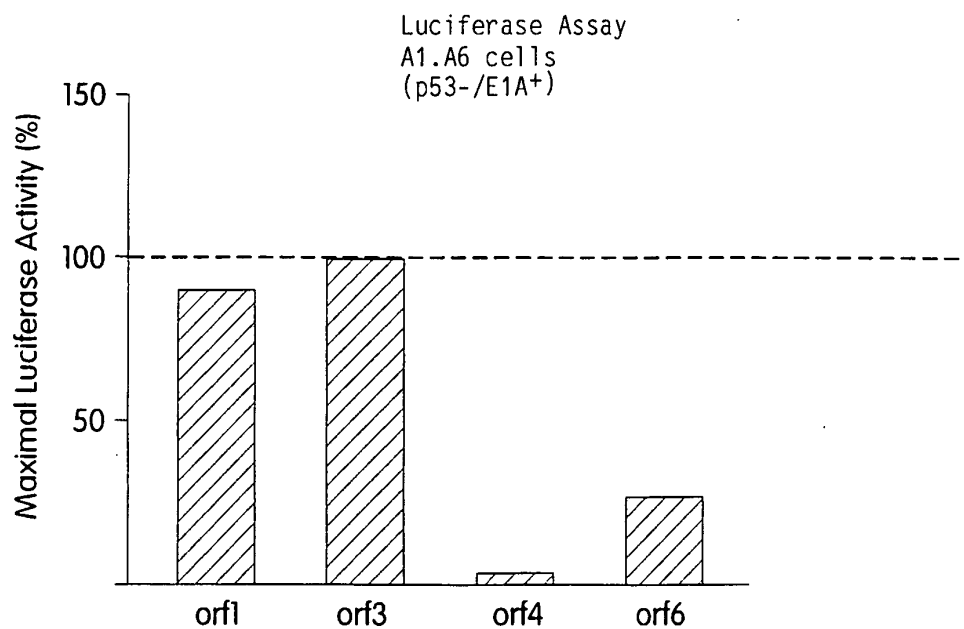


Fig. 13B

APPROVE	FIG.
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CELL KILLING A1.A6 Cells

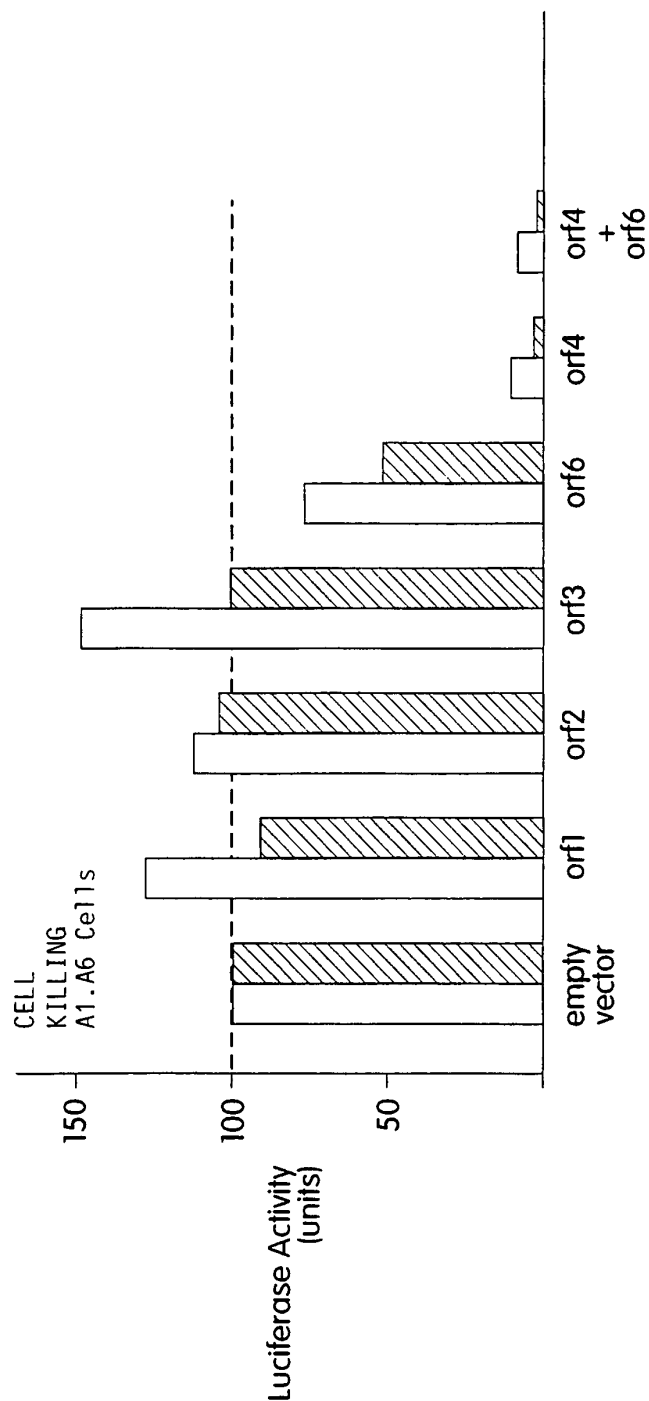


Fig. 14

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Ad5 E4orf6

FIG.	CLASS
1	1
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10 20 30 40

atgactacgtccggcggttccatttggcatgacactacgac 40
 caacacgatctcggttgtctcggcgcaactccgtacagtag 80
 ggatcgtctacctccttttgagacagaaacccgcgctacc 120
 atactggaggatcatccgctgctgcccgaatgtaacactt 160
 tgacaatgcacaacgtgagttacgtgcgaggtcttccttg 200

210 220 230 240

cagtgtgggatttacgctgattcaggaatgggttgttccc 240
 tgggatatggttctaacgcgggaggagcttgtaatcctga 280
 ggaagtgtatgcacgtgtgcctgtgttggtgccaacattga 320
 tatcatgacgagcatgatgatccatgggttacgagtcctgg 360
 gctctccactgtcattgttccagtcgccggttccctgcagt 400

410 420 430 440

gtatagccggcgggcagggttttggccagctgggttaggat 440
 ggtggtggatggcgccatgtttaatcagaggtttatatgg 480
 taccgggagggtggtgaattacaacatgccaaaagaggtaa 520
 tgtttatgtccagcgtgtttatgaggggtcgccacttaat 560
 ctacctgcgcttgtggtatgatggccacgtgggttctgtg 600

610 620 630 640

gtccccgccatgagctttggatacagcgccttgcaactgtg 640
 ggattttgaacaatatgtggtgctgtgctgcagttactg 680
 tgctgatttaagtgagatcagggtgcgctgctgtgcccg 720
 aggacaaggcgcttatgctgcgggcggtgcgaatcatcg 760
 ctgaggagaccactgccatgttgattcctgcaggacgga 800

810 820 830 840

gcggcggcggcagcagtttattcgcgcgctgctgcagcac 840
 caccgccctatcctgatgcacgattatgactctaccccca 880
 tgtag 885

10 20 30 40

MTTSGVPFGMTLRPTRSRLSRRTPYSRDRLPPFETETRAT 40
 ILEDHPLLPECNTLTMHNVS YVRGLPCSVGFTLIQEWVVP 80
 WDMVLTREELVILRKCMHVCLCCANIDIMTSMMIHGYESW 120
 ALHCHCSSPGSLQCIAGGQVLASWFRMVVDGAMFNQRFIW 160
 YREVVNYNMPKEVMFMSSYFMRGRHLIYLRLWYDGHVGSV 200

210 220 230 240

VPAMSFYGYSALHCGILNNIVVLCCSYCADLSEIRVRCCAR 240
 RTRRLMLRAVRRIIAEETTAMLYSCRTERRRQQFIRALLQH 280
 HRPILMHDYDSTPM. 295

Fig.15

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APPROVED	CLASS	SUBCLASS
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Ad5 E4orf4

10 20 30 40
 atggttcttccagctcttcccgtcctcccgtgtgtgact 40
 cgcagaacgaatgtgtaggttggctgggtgtggcttattc 80
 tgcggtggtggatgttatcagggcagcggcgcacatgaagga 120
 gtttacatagaacccgaagccagggggcgcctggatgctt 160
 tgagagagtggatataactacaactactacacagagcgatc 200

210 220 230 240
 taagcggcgagaccggagacgcagatctgtttgtcacgcc 240
 cgcacctggttttgcctcaggaaatatgactacgtccggc 280
 gttccatttggcatgacactacgaccaacacgatctcggt 320
 tgtctcggcgccactccgtacagtag 345

10 20 30 40
 MVLPALPAPPVCD SQNECVGWLGVAYS AVVDVIRAAAH EG 40
 VYIEPEARGLDALREWIYYNYT ERSKRRDRRRSVCHA 80
 RTWFCFRKYDYVRRSIWHDTTNTISVVS AHSVQ. 115

Fig.16